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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,148	01/26/2001	Gary Douglas Huber	M-9876US	7341
27683	7590	08/24/2004	EXAMINER	
HAYNES AND BOONE, LLP 901 MAIN STREET, SUITE 3100 DALLAS, TX 75202			MARTINEZ, DAVID E	
			ART UNIT	PAPER NUMBER
			2182	

DATE MAILED: 08/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/770,148

Applicant(s)

HUBER ET AL.

Examiner

David E Martinez

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 October 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA) in view of US Patent No. 5,768,163 to Smith, II.(Smith).

1. With regards to claims 1 and 17, AAPA teaches a mobile computing system comprising of:

- a personal computer (PC) system [fig 1];
- a personal digital assistant (PDA) system [fig 2] that interfaces to the PC system [page 3 lines 13-20];
- a PC chassis [page 3, lines 21-24];
- and a PDA chassis housing the PDA system [fig 2] wherein the PC chassis houses the PC system and the PDA chassis, whereby the PDA chassis may be removed from the PC chassis,
- disconnecting an interface of the PDA system [fig 2 element 220] to the PC system, and
- providing an independent PDA system [figs 1, 2, page 3, lines 3-24]; and
- the PDA chassis including:

- a memory [fig 2, page 3 lines 3-12], a touch display screen [fig 2, element 205 page 3 lines 3-12], and a rechargeable battery [fig 2, page 3 lines 3-12];

AAPA teaches all of the above limitations except for the PDA chassis including

a low power processor; a connection bus hardware; and a mini-dock connector to provide connection to the PC chassis.

However, teaches Smith teaches a PDA chassis including a connection bus hardware with a mini-dock connector to provide connection to a PC chassis [figs 1-7, 10, column 1 line 40 to column 2 line 34] for the benefit increasing the ease of sharing of information between both the PDA and PC devices.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both AAPA and Smith to have the PDA chassis to include a connection bus hardware with a mini-dock connector to provide a connection to a PC chassis [figs 1-7, 10, column 1 line 40 to column 2 line 34] for the benefit increasing the ease of sharing of information between both the PDA and PC devices.

As per the PDA including a low power processor, it was notoriously well known in the art at the time of the invention to provide mobile devices in general such as a PDA with low power processors for the benefit of consuming less power from the battery, thus allowing the device to operate for a longer time and decreasing the frequency between recharges of it's battery.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of AAPA with those that are well known to have the PDA chassis include a low power processor for the benefit of consuming less power from the battery, thus allowing the device to operate for a longer time and decrease the frequency between recharges of it's battery.

2. With regards to claim 2, AAPA teaches the mobile computing system of claim 1 wherein the PDA system is further comprised of:

an input device [fig 2, elements 205, 210, page 3 lines 3-12].

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3. With regards to claim 3, AAPA teaches the mobile computing system of claim 2 further comprising: an antenna for wireless communications [fig 2, element 215, page 3 lines 3-12].
4. With regards to claims 4, 5, and 6, AAPA teaches wherein the PC chassis further comprises one or more expansion bays [fig 1, elements 110, 115], wherein the PDA chassis is placed in one of the bays [page 2 lines 16-21, page 3, lines 13-22].
5. With regards to claims 7, 8, and 9, AAPA teaches wherein the PDA chassis is placed in the interior of the PC chassis [fig 1, elements 110, 115, page 2 lines 16-21, page 3, lines 13-22].
6. With regards to claims 10-15, AAPA fails to teach wherein the PDA chassis is placed on the exterior of the PC chassis, and on the top of the PC chassis.

However, Smith teaches the use of a connector for connecting a PDA with a PC chassis [figs 1-7, 10, column 1 line 40 to column 2 line 34] for the benefit increasing the ease of sharing of information between devices.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both AAPA and Smith to provide the PDA chassis is able to be placed on both the exterior and on top of the PC chassis for the benefit of increasing the ease of sharing of information between devices.

7. With regards to claims 16, AAPA teaches the mobile computing system of claim 1 further comprising: a common display shared by the PC system and the PDA system, and a common set of input output devices shared by the PC system and the PDA system [page 3, lines 13-22].
8. With further regards to claim 17, AAPA teaches a method of integrating a removable PDA system [fig 2] with a PC system [fig 1] comprised of:

connecting the PDA system to the PC system by a separable interface [page 3 lines 3-24];

isolating control to either PDA system or PC system when instructed by a user or a predetermined system logic [page 3, lines 13-22].

Response to Arguments

Applicant's arguments filed 6/17/04 have been fully considered but they are not persuasive.

Applicant argues the previously mailed Office Action dated 3/15/04 (Paper No. 6) does not disclose the newly added limitation of amended claims 1 and 17 directed to the PDA chassis.

The current Office Action discloses the newly added limitations directed to the PDA chassis as shown above in the "Claim Rejection" section.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

"http://en.wikipedia.org/wiki/Apple_Newton" Printout discloses a PDA made from 1993 to 1998 by Apple Computer that uses a low power ARM processor.

"<http://www.theturnbulls.fsworld.co.uk/riscos/proces.htm>" Printout discloses Arm processors are low power processors [page 1 "From Acorns to Apples"]

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

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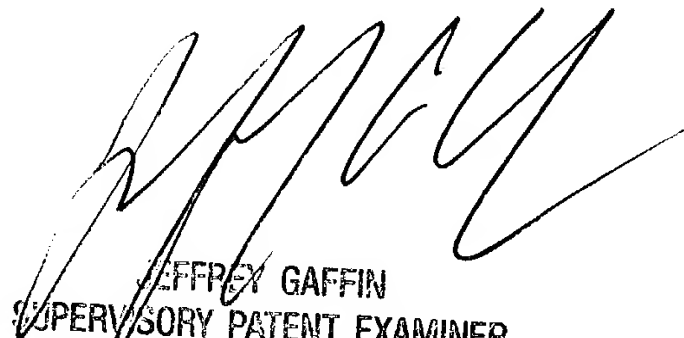
will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E Martinez whose telephone number is (703) 305-4890. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A Gaffin can be reached on (703) 308-3301. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DEM



JEFFREY GAFFIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100